DIGITAL SOFTWARE
Course Syllabus

Course Number: CPA-1482        OHLAP Credit: No
OCAS Code: None
Course Length: 60 Hours
Career Cluster: Arts, A/V Technology & Communications
Career Pathway: Visual Arts
Career Major(s): Photographic Technician

Pre-requisite(s):
Course Description: The student will begin to learn the software package "Adobe Photoshop" for correction of a damaged image. The student will also use scanners and other types of copy hardware increasing their knowledge and skills in the digital photography industry. Students are introduced to digital camera operation and image capture.

Textbooks:
- Digital 101 – An Introduction to Digital Photography by Nikon DVD
- The Complete Guide to Digital Photography by Michael Freeman
- Lightroom 4: Streamline Your Digital Photography Process by Nat Coalson
- Photoshop Now by Douglas Henderson
- Lynda.com Tutorials Online Digital Videos
- Speed of Light by Nikon DVD

Course Objectives:

A. Complete Administrative Forms and Requirements.
1. Complete forms pertaining to enrollment.
2. Discuss school, district, and class policies and procedures.
3. Discuss grading criteria.
4. Participate in a "right to know" workshop.
5. Discuss types and locations of fire extinguishers.
6. Practice safety rules in the classroom and lab.

B. Participate in SKILLS USA.
1. Form a SKILLS/ CTSO club.
2. Participate in SKILLS/ CTSO activities.
3. Complete professional development program activities.

C. Complete Orientation to Photography Technology.
1. Discuss the history of photography.
2. Explore career options in photography.
3. Discuss the elements of a good portfolio.
4. Identify the various photography work areas.
5. Discuss personal options and preferences that match career areas.

D. Use Adobe Photoshop.
1. Discuss the operation for using a computer for photo imaging.
2. Discuss and demonstrate Photoshop software system and tools.
3. Operate various software tutorials in Photoshop.
4. Scan and transfer photographs.
5. Utilize computer tools to alter images.
6. Scan images on a CD.
7. Select best images to print.
8. Complete an introduction to Photoshop®.
9. Scan and alter photos using Photoshop and supporting software.

E. Use a Digital Camera.
1. Select a digital camera.
2. Read the instruction for use of the camera.
3. Take pictures.
4. Store pictures in the camera then transfer to a CD.
5. Delete unwanted pictures.
6. Transfer pictures in Photoshop then resave.
7. Print your best image.

F. Become Familiar with Basic Digital Controls.
1. Practice choosing colors, color theory, cropping, and red eye.
2. Work with image size, resolution, canvas size, copy/paste, and layout.

G. Study the Constitution of the United States.
1. Read the Constitution of the United States.
2. Discuss key points in the Constitution of the United States.

All unmarked objectives are TTC instructor developed.

Teaching Methods:
The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures:
1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

The student must maintain a grade point average of 2.0 or better.